

## Troubleshoot Intermatic P1353ME 3-channel timer.

Troubleshoot timer that worked before and stopped functioning.

1) Load rating for timer is 3 HP. Timer has 1 year limited warranty. Contact Intermatic:

2) Locate fuse on back of timer next to voltage selector.

Buy cheap multimeter from local box store, install battery in multimeter, set multimeter to read ohms, and test across fuse ends to see if current passes through fuse. Replace fuse

3) Check that ribbon cable from control face to circuit board is connected.

4) Verify that yellow wires from transformer are connected to circuit board.

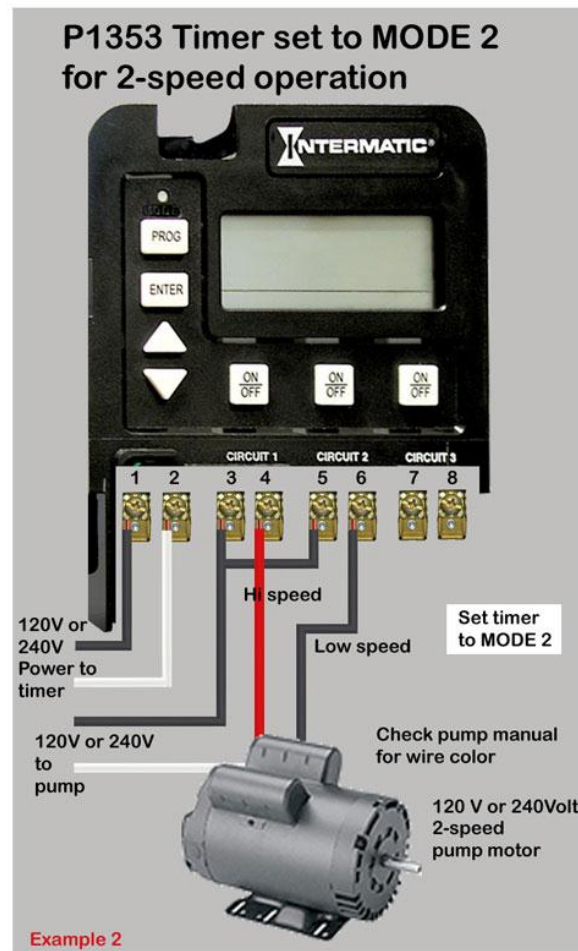
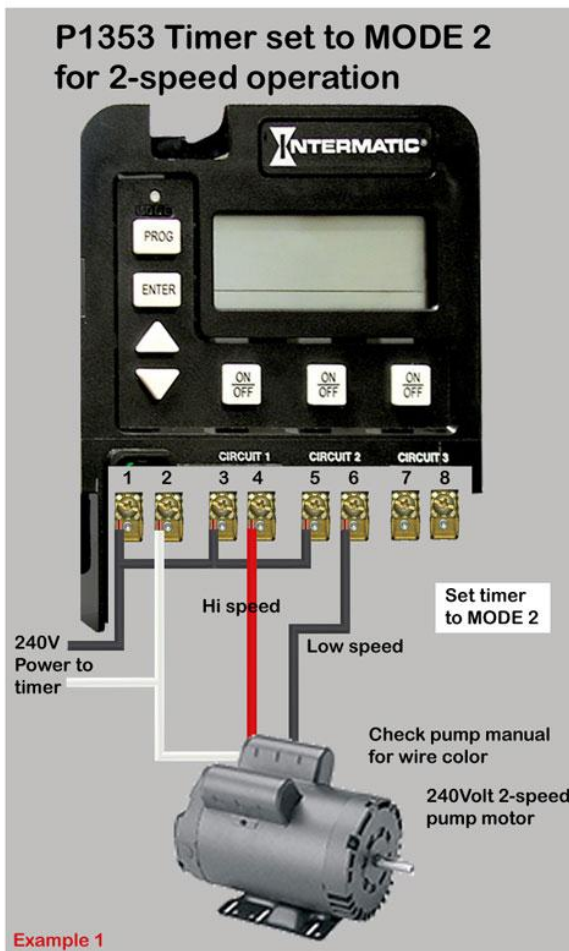
5) Turn off circuit breaker and then re-power

6) Replace one or both 145T145A Omron relays if timer no longer turns on pump.

7) By-pass timer and see if pump works correctly on each speed.

To do this, refer to typical wiring diagram below: Disconnect wires on terminals 4 and 6. Connect terminal 6 wire to terminal 5 and turn power ON to check low speed. Next, disconnect terminal 6 wire from terminal 5.

Connect terminal 4 wire to terminal 3 and turn power ON to check high speed.



8) Use by-pass wiring and circuit breaker to control pump until timer is replaced.

Section 7:

# Checking Out and Troubleshooting the System

After you have completed installation and programming, make sure the system is working OK by completing the procedures listed below. Later on, if problems develop in using the system, going over these same procedures will help you troubleshoot the problem.

## Check time of day setting

<i>What to do</i>	<i>If it doesn't work</i>	<i>Reference/Procedure</i>
Verify that display on Three-Circuit Clock Mechanism ( <i>P1353ME</i> ) is showing correct time of day.	Verify that power is ON to the panel.	<ol style="list-style-type: none"><li>1. Turn the main circuit breaker that feeds the panel to the ON position.</li><li>2. Use a voltmeter to verify that voltage is present at the buss terminals. See page 13.</li></ol>
	Verify that the breaker is turned on for the clock.	Use a voltmeter to verify that voltage is present at the breaker and Timer Power terminals. See pages 15-17, and 25.
	Verify power is wired to the three-circuit clock.	Check that the proper wires and voltage are connected to terminals 1 & 2 on the three-circuit clock. See pages 15-17, and 25.
	Verify the voltage select jumper, on the back of the clock, is in the proper position.	<ol style="list-style-type: none"><li>1. Remove the mechanism.</li><li>2. Verify that the voltage jumper is in the correct position for the input voltage. See page 15-17, and 26.</li></ol>
	Verify that the F1 Fuse is not blown.	<ol style="list-style-type: none"><li>1. Remove the mechanism.</li><li>2. Use an ohmmeter to verify that the fuse on the back is not blown open. See page 26.</li><li>3. If the fuse is bad, replace fuse.</li></ol>
	Follow instructions for setting the correct time.	See page 31.
	Replace Clock if unsuccessful.	Replace the <i>P1353ME</i> mechanism. See page 7 for ordering information.